

On page 8, line 21, delete the word "*Cerevisiae*" and insert in its place the word
--*cerevisiae*--.

On page 30, line 24, after "Application No. 09/074,983" insert --, now U.S. Patent No.
5,965,352,--.

On page 35, line 15, delete the word "square" and insert in its place the word
--squares--.

On page 35, line 24, delete the word "protifile" and insert in its place the word
--profile--.

On page 39, line 3, delete the word "FORTRON" and insert in its place the word
--FORTRAN--.

On page 39, line 33, delete the word "cluster" and insert in its place the word
--clustering--.

On page 68, line 7, delete the word "domonated" and insert in its place the word
--dominated--.

On page 74, line 12, delete the word "was" and insert in its place the word --were--.

On page 74, line 13, delete the word "asterix" and insert in its place the word
--asterisk--.

On page 74, line 2⁸~~6~~, delete the word "IN" and insert in its place the word --In--.

IN THE CLAIMS:

Please amend the claims as follows:

Cancel claims 65 and ~~66~~, without prejudice.

Sub 31 } 58. (Amended) A method for removing one or more artifacts from a measured
biological profile, said measured biological profile comprising [a plurality of] measurements
of a plurality of cellular constituents, said method comprising subtracting one or more artifact
patterns from the measured biological profile, wherein each of said one or more artifact
patterns corresponds to [a particular] an artifact.

59. (Amended) The method of claim 58, wherein [the] each of the one or more artifact
patterns is [provided] determined by knowledge of the [genes] variables that cause the
respective artifact and relative [amplitudes] amplitudes of responses associated with